

Semester 1

General Geography –Part-I

EC-II-101

UNIT 1

Meaning, definition, nature, scope and subject matter of Geography; Geography and other disciplines; solar system

UNIT 2

Seasons, grid system and motion of the earth, Torrid, temperate and frigid zones, International Date Line, seasons and eclipse

UNIT 3

Weather and Climate, elements and factors of climate, origin of Indian Monsoon (thermal concept)

UNIT 4

Resources – meaning and classification of resources (with special reference to forest, its types, importance and conservation).

References:

- 1) Shah M.R and K.N.jasani,Bhautik Bhugod,University granth nirman board,Ahmedabad.
- 2) Singh Savindra,Physical Geography,Prayag pustak Bhavan,Allahabad.
- 3) Lal D.S. climatology,Sharada Pustak Bhavan,Allahabad.
- 4) Singh Savindra Climatology,Prayag Pustak Bhavan,Allahabad.
- 5) Tiwari R.C. Geography of India,Prayag Pustak Bhavan,Allahabad.
- 6) Khullar D.R. India-A Comprehensive Geography,Kalyani Publishers,New Delhi.
- 7) Singh Savindra,Environmental Geography,PRayag Pustak Bhavan,Allahabad.
- 8) Strahler A.H.and Strahler,Modern Physical Geography,Jhon Wiley and sons (Asia)Pvt.Ltd.
- 9) Critchfield H.J. General Climatology,Prentice hall,Englewood Cliffs
- 10) Saxsena H.M. Environmental Geography,Rawat Publications,Jaipur

Semester 2

General Geography –Part-II EC-II-111

UNIT 1

Natural regions of the world – meaning and definition; classification, general understanding of each natural region. Detailed study of a) equatorial forest region, b) high grassland region (Sudan type), c) hot and dry region (desert type).

UNIT 2

Pollution – meaning, types of pollution, soil and water pollution.

UNIT 3

Landforms - First, second and third order landforms (Mountain, plateau and plains).

UNIT 4

Map – meaning and definition, elements of map, types of maps, importance and uses of maps.

References:

- 1) Singh Savindra, Environmental Geography, PRayag Pustak Bhavan, Allahabad.
- 2) Shah M.R and K.N.jasani, Bhautik Bhugod, University granth nirman board, Ahmedabad.
- 3) Lal D.S. , Physical Geography, Sharada Pustak Bhavan, Allahabad.
- 4) Strahler A.H. and Strahler, Modern Physical Geography, Jhon Wiley and sons (Canada) Pvt. Ltd.
- 5) Singh Savindra, Physical Geography, Prayag pustak Bhavan, Allahabad.
- 6) Dikshit N.G. NAKsha Vigyan Bhag-1, University granth nirman board, Ahmedabad.
- 7) Sharma J.P. Prayogik Bhugol, Rastogi Publicatios, Merath-Delhi.
- 8) Singh R.L. and Singh Rana P.B. Elements of Practical Geography, Kalyani Publishers, Ludhiyana-New Delhi.
- 9) Hussain Majid, World Geography, Rawat Publications, New Delhi.
- 10) Ramesh A. and Misra R.P. Fundamental of Cartography Concept, Publishing co. New Delhi.

Semester 3

Natural Hazards

EC 2, 201

UNIT 1

Lithospheric hazards – introduction, types, characteristics, intensity and impact, landslides, avalanches (causes, distribution and impact)

UNIT 2

Earthquakes, volcanoes and Tsunamis – types, causes, distribution and environmental and socio-economic impact

UNIT 3

Tropical cyclones, temperate cyclones – origin, development and their distribution and impact

UNIT 4

Thunderstorms, lightening, cold waves and hot waves – their origin, characteristics, distribution and impact. Flood and drought as extremes of regional atmospheric condition, their causes, consequences, distribution and impact

References:

- 1) Shah, M.R.: Bhautik Bhugol, Uni. Granth Nirman Board
- 2) Shukla, Rajesh Rashmi (2009) : Bhautik Bhugol (Hindi) Arjun publication house
- 3) Ram Suresh and Yadav P.G. (1998) : Bhautik Bhugol, Uni. Granth Nirman Board
- 4) Chopra, Girish (2006) : Physical Geography Commonwealth Publication
- 5) Jamwal, Anil K. (2008) : Elements of Physical Geography, Gnanda Prakashan
- 6) Jamwal, Anil K. and Salpekar Aradhana (2010) : Management of Major Disaster, Gnanda
a. Prakashan
- 7) Berry, R.G. and R.J. Chorly, (1976) Atmosphere, Weather and Methuene, London
- 8) Trewartha, G.T. : An Introduction to Climate
- 9) MacGraw Hill, New York
- 10) Lal, D.S. (2009) : Climatology , Sharda Pustak Bhavan , Allahabad
- 11) Singh, Savindra (2005) : Climatology, Prayag Pustak Bhavan,

Semester 4

National Parks and Sanctuaries of India

ECII 211

Unit-1

Meaning and significance of National parks and Sanctuaries; National Parks and Sanctuaries of India their names and location;

Characteristics and Environment of the following;

Great Himalayan National Park,

Mt. Abu Wildlife Sanctuary

Unit-2

Bandipur National Park,

Great Indian Bustard Sanctuary

Unit-3

Kaziranga National Park,

Kaimur Wildlife Sanctuary

Unit-4

Gir Forest National Park,

Kutch District Wildlife Sanctuary

References:

- 1) Bisht R.S. : National Parks of India, Publications Division, Kindle Edition, 2016
- 2) Husain M. : Geography of India, McGraw Hill Education, New Delhi, 2014
- 3) Khullar D. R. : India : A Comprehensive Geography, 2018
- 4) Negi S.S. : Handbook of National Parks, Wildlife Sanctuaries and Biosphere Reserves in India, Indus Publishing Company
- 5) Singh S. Saroha J. : Geography of India, Access Publishing, 2014
- 6) Singh I. Singh S. : Physical Geography of India, Srishti Book Distributors, New Delhi, 2006
- 7) Sharma T. C., Coutinho O. C. : Economic & Commercial Geography of India, Vikas Publishing House, New Delhi
- 8) Pal Swades : Geographer's Digest, Book Centre, Santiniketan 2015
- 9) Tiwari R. C. : Geography of India, Prayag Pustak Bhawan, Allahabad, 2010
- 10) Tiwari S. K. : Encyclopaedia of Indian Wildlife Sanctuaries and National Parks, 2002

Semester 5

306 – Essay

1. Sustainable development goals
2. Sardar Sarovar Project
3. Dairy industries with special reference to Gujarat
4. History of Geography
5. Indian Monsoons
6. Global warming and climate change

References:

- 1) Agarwal, A. et.al.: The Citizen's Fifth Report, Centre for Science, New Delhi, 1999
- 2) Allen, J.L. : Student's Atlas of Environmental Issues, Dushkin Publication, 1999
- 3) Brown, L.R. : In the Human Interest, East-West Press, New Delhi, 1976
- 4) Cuttar, L., Renwick, H.L. : Exploitation, Conservation and Preservation Geography Perspective and Natural Resources Use, Rowman and Allanheld , 1985
- 5) Das P.K.The Monsoon,National Book Trust,New Delhi.
- 6) Dave-Leng Manjula,Gujaratni Arthik ane Pradeshik Bhugod, University granth nirman board,Ahmedabad.
- 7) Dikshit R.D. Geographical Thought-A Contextual History of Ideas,Prentice Hall of India-New Delhi.
- 8) Hussain Majid,Evolution of Geographical Thought,Rawat Publications,
- 9) Reid, D.: Sustainable Development, Earthscan Publication, London, 1995
- 10) Saxena, H.M.: Environmental Geography, Rawat Publications, Jaipur, 1999
- 11) Sharma, H.S. and Chattopadhyay, S.K. : Sustainable Development: concept, Issues, Concept, New Delhi, 2000

Semester 6

312 – Essay

1. Problems of Urbanization
2. Renewable and non-renewable resources
3. Salinization and desertification with reference to India
4. Volcanoes and earthquakes
5. Man-environment interrelationship
6. Geological history of India
7. Western Ghats- As Hotspot of Biodiversity

References:

1. Wadia D.N. Geology of India
2. Hussain Majid, Human Geography, Rawat Publications, New Delhi.
3. Dikshit N.G. Manav ane Paryavaran
4. Dave-Leng Manjula, Gujaratni Arthik ane Pradeshik Bhugod, University granth nirman board, Ahmedabad.
5. Negi B.S. Geography of Resources.
6. Ramesh A. Contribution to Indian Geography-Resource Geography, Heritage Publishing New Delhi.
7. Singh S. and Singh J. Disaster Management, Pravalika Publications, Allahabad.
8. Singh Savindra, Environmental Geography, Prayag Pustak Bhavan, Allahabad.